

CLAIMS

1. A fuel cell comprising:
 - a mounting part where a fuel cartridge filled with fuel is mounted in a detachable manner; and
 - an identification part that identifies the fuel cartridge to be mounted on said mounting part.
2. The fuel cell as set forth in Claim 1;
 - wherein said identification part includes the fitting part that is selectively fitted into said fuel cartridge.
3. The fuel cell as set forth in Claim 1;
 - wherein said identification part includes:
 - plurality of fitting parts; and
 - a selecting part that makes usable one fitting part to be selectively fitted into a specified cartridge among said plurality of fitting parts.
4. The fuel cell as set forth in Claim 2 or 3;
 - wherein said fitting part further comprises a detecting unit that detects whether the fitting part is fitted into a fuel cartridge or not;
 - wherein the detecting unit can work when it detects that the fitting part is fitted into the fuel cartridge.
5. The fuel cell as set forth in any one of Claims 1 to

4;

wherein said identification part includes a terminal connected with the fuel cartridge selectively and
5 electrically.

6. The fuel cell as set forth in any one of Claims 1 to
4;

wherein said identification part includes plurality of terminals; and

5 a selecting part that selects one terminal connected electrically to a specified fuel cartridge from among said plurality of terminals.

7. The fuel cell as set forth in Claim 5 or 6, the fuel cell further comprising:

a detecting unit that detects whether or not said terminal is electrically connected with said fuel
5 cartridge;

wherein said detecting unit can work when it detects that said terminal is electrically connected with said fuel cartridge.

8. The fuel cell as set forth in any one of Claims 1 to
4;

wherein said identification part includes:
plurality of terminals; and
5 a detecting unit that detects the electrical

connecting condition between said plurality of terminals and the fuel cartridge mounted into said mounting part.

9. The fuel cell as set forth in Claim 8;
wherein said identification part further includes:
a judging part that judges the type of fuel filled in
said fuel cartridge based on the electrical connecting
5 condition between said plurality of terminals and said fuel
cartridge; and

a control unit that controls the operation condition
depending on the type of fuel judged by said judging part.

10. A fuel cartridge comprising a labeled part that is identified by said identification part of the fuel cell according to any one of Claims 1 to 9.

11. The fuel cartridge comprising a labeled part that is identified by said identification part of the fuel cell according to any one of Claims 5 to 9, the fuel cartridge comprises:

5 plurality of terminals; and
a selecting part that selects one terminal connected electrically to said terminal of said fuel cartridge from among said plurality of terminals.

12. A fuel cell system comprising:
a fuel cartridge having a labeled part showing a filled

fuel; and

a fuel cell body including an identification part that
5 identifies said labeled part of said fuel cartridge.